ELSEVIER

24 January 1997

Chemical Physics Letters 264 (1997) 688–699

CHEMICAL PHYSICS LETTERS

Author index to volume 264

Abbate, F., see Lanzani, G. 264 (1997) 667
Ahlrichs, R., see Bauernschmitt, R. 264 (1996) 573
Amatatsu, Y., see Dzegilenko, F.N. 264 (1997) 24
Aoiz, F.J., M. Brouard, V.J. Herrero, V. Sáez Rábanos and K. Stark, Product rotational polarization. The stereodynamics of the $F + H_2$ reaction 264 (1997) 487
Asai, T., see Umemoto, H. 264 (1997) 215
Azumi, T., see Murai, H. 264 (1997) 619

Bagryanskaya, E.G., V.R. Gorelik and R.Z. Sagdeev, Switched external magnetic field (SEMF) CIDNP – a new technique for investigation of the spin dynamics and kinetics of short-lived reaction intermediates in weak magnetic fields 264 (1997) 655
Bailey, J., see Grannan, S.M. 264 (1997) 359
Balasubramanian, K. and H. Sun, Euclidean inverses for the characterization of three-dimensional molecular structures 264 (1997) 70
Balasubramanian, K., see Feng, P.Y. 264 (1997) 449
Balasubramanian, K., see Roszak, S. 264 (1997) 80
Ball, S.M., G. Hancock, S.E. Martin and J.C. Pinot de Moira, A direct measurement of the $O(^1D)$ quantum yields from the photodissociation of ozone between 300 and 328 nm 264 (1997) 531
Bal'zhinimaev, B.S., see Resnyanskii, E.D. 264 (1997) 174
Bauernschmitt, R., M. Häser, O. Treutler and R. Ahlrichs, Calculation of excitation energies within time-dependent density functional theory using auxiliary basis set expansions 264 (1996) 573
Bellert, D., see Hayes, T. 264 (1997) 220
Belu-Marian, A., see Mishori, B. 264 (1997) 163
Berkowitz, M.L., see Yeh, I.-C. 264 (1997) 31
Bessho, K., T. Uchida, A. Yamauchi, T. Shioya and N. Teramae, Microenvironments of 8-anilino-1-naphthalenesulfonate at the heptane–water interface: time-resolved total internal reflection fluorescence spectroscopy 264 (1997) 381
Bethune, D.S., see Grannan, S.M. 264 (1997) 359
Bevan, J.W., see Han, J. 264 (1997) 411
Birmingham, J.T., see Grannan, S.M. 264 (1997) 359
Blake, G.A., see Rodham, D.A. 264 (1997) 522
Bludau, H., see Schwegmann, S. 264 (1997) 680
Bodenhausen, G., see Fu, R. 264 (1997) 63
Bohr, F., see Henon, E. 264 (1997) 557
Bonechi, C., see Rossi, C. 264 (1997) 205
Bongiorno, A., L. Colombo and F. Cargnoni, Hydrogen diffusion in crystalline SiO_2 264 (1997) 435
Bowman, J.M., see Dzegilenko, F.N. 264 (1997) 24

ELSEVIER

24 January 1997

Chemical Physics Letters 264 (1997) 688–699

CHEMICAL PHYSICS LETTERS

Author index to volume 264

Abbate, F., see Lanzani, G. 264 (1997) 667
Ahlrichs, R., see Bauernschmitt, R. 264 (1996) 573
Amatatsu, Y., see Dzegilenko, F.N. 264 (1997) 24
Aoiz, F.J., M. Brouard, V.J. Herrero, V. Sáez Rábanos and K. Stark, Product rotational polarization. The stereodynamics of the $F + H_2$ reaction 264 (1997) 487
Asai, T., see Umemoto, H. 264 (1997) 215
Azumi, T., see Murai, H. 264 (1997) 619

Bagryanskaya, E.G., V.R. Gorelik and R.Z. Sagdeev, Switched external magnetic field (SEMF) CIDNP – a new technique for investigation of the spin dynamics and kinetics of short-lived reaction intermediates in weak magnetic fields 264 (1997) 655
Bailey, J., see Grannan, S.M. 264 (1997) 359
Balasubramanian, K. and H. Sun, Euclidean inverses for the characterization of three-dimensional molecular structures 264 (1997) 70
Balasubramanian, K., see Feng, P.Y. 264 (1997) 449
Balasubramanian, K., see Roszak, S. 264 (1997) 80
Ball, S.M., G. Hancock, S.E. Martin and J.C. Pinot de Moira, A direct measurement of the $O(^1D)$ quantum yields from the photodissociation of ozone between 300 and 328 nm 264 (1997) 531
Bal'zhinimaev, B.S., see Resnyanskii, E.D. 264 (1997) 174
Bauernschmitt, R., M. Häser, O. Treutler and R. Ahlrichs, Calculation of excitation energies within time-dependent density functional theory using auxiliary basis set expansions 264 (1996) 573
Bellert, D., see Hayes, T. 264 (1997) 220
Belu-Marian, A., see Mishori, B. 264 (1997) 163
Berkowitz, M.L., see Yeh, I.-C. 264 (1997) 31
Bessho, K., T. Uchida, A. Yamauchi, T. Shioya and N. Teramae, Microenvironments of 8-anilino-1-naphthalenesulfonate at the heptane–water interface: time-resolved total internal reflection fluorescence spectroscopy 264 (1997) 381
Bethune, D.S., see Grannan, S.M. 264 (1997) 359
Bevan, J.W., see Han, J. 264 (1997) 411
Birmingham, J.T., see Grannan, S.M. 264 (1997) 359
Blake, G.A., see Rodham, D.A. 264 (1997) 522
Bludau, H., see Schwegmann, S. 264 (1997) 680
Bodenhausen, G., see Fu, R. 264 (1997) 63
Bohr, F., see Henon, E. 264 (1997) 557
Bonechi, C., see Rossi, C. 264 (1997) 205
Bongiorno, A., L. Colombo and F. Cargnoni, Hydrogen diffusion in crystalline SiO_2 264 (1997) 435
Bowman, J.M., see Dzegilenko, F.N. 264 (1997) 24

Bramley, R., see Delfs, C.D. 264 (1997) 333
Breton, J., see Iglesias-Groth, S. 264 (1997) 351
Brint, R.P., see Ruth, A.A. 264 (1997) 605
Brion, J., see Henon, E. 264 (1997) 557
Brouard, M., see Aoiz, F.J. 264 (1997) 487
Brucat, P.J., see Hayes, T. 264 (1997) 220
Brüschweiler, R. and R.R. Ernst, Non-ergodic quasi-equilibria in short linear spin 1/2 chains 264 (1997) 393
Bueno, M.I., see Kubota, L.T. 264 (1997) 662
Burbank, P., see Grannan, S.M. 264 (1997) 359
Bureau, C. and D.P. Chong, Density functional calculations of core-electron binding energies of amines. Application to $(CH_3)_3N$–Ni and $(CH_3)_4N^+$–Ni 264 (1997) 186
Bürgi, T., see Wickleder, C. 264 (1997) 257
Buthelezi, T., see Hayes, T. 264 (1997) 220

Canet, D., P. Mutzenhardt and F. Guenneau, Nuclear spin coherence transfer induced by a single static field gradient pulse 264 (1996) 477
Cao, Q., see Li, F. 264 (1997) 376
Cargnoni, F., see Bongiorno, A. 264 (1997) 435
Carlos, L.D. and A.L.L. Videira, Ion-chain effective field in polymer electrolytes 264 (1997) 57
Chabrier, P., see Del Bene, J.E. 264 (1997) 109
Chakir, A., see Henon, E. 264 (1997) 557
Chattopadhyay, N., J. Rommens, M. Van der Auweraer and F.C. De Schryver, Laser-induced optoacoustic studies of the non-radiative deactivation of ICT probes DMABN and DMABA 264 (1997) 265
Chen, Y., see Moler, E.J. 264 (1997) 502
Cheon, H.W., see Kim, Y. 264 (1997) 673
Chitra, K., see Subramanian, V. 264 (1997) 92
Choi, J., see McIlroy, D.N. 264 (1997) 168
Chong, D.P., see Bureau, C. 264 (1997) 186
Chu, S.-I, see Telnov, D.A. 264 (1997) 466
Colombo, L., see Bongiorno, A. 264 (1997) 435
Corbini, G., see Rossi, C. 264 (1997) 205
Corma, A., see Sastre, G. 264 (1997) 565
Corti, P., see Rossi, C. 264 (1997) 205
Cotti, G., C.M. Evans, J.H. Holloway and A.C. Legon, Rotational spectroscopy of a pre-reactive mixture of H_2S and F_2: detection and characterisation of the weakly bound complex $H_2S \cdots F_2$ 264 (1997) 513
Curtiss, L.A., see Sutjianto, A. 264 (1997) 127
Czapla, Z., see Ryba-Romanowski, W. 264 (1997) 323

Dedonder-Lardeux, C., C. Jouvet, S. Martrenchard-Barra, D. Solgadi and I. Dimicoli, Ionic nucleophilic substitution in halobenzene–NH_3 complexes: the entrance channel 264 (1997) 596
Del Bene, J.E., K. Szczepaniak, P. Chabrier and W.B. Person, Ab initio theoretical and matrix isolation experimental studies of hydrogen bonding: evidence of a dramatic effect of the matrix on the structure and vibrational spectrum of HBr:3,5-dichloropyridine 264 (1997) 109
Delfs, C.D. and R. Bramley, The zero-field EPR spectrum of a copper dimer 264 (1997) 333
Demtröder, W., see Färbert, A. 264 (1997) 225

Deng, W.-Q., see Zhan, J.-P. 264 (1997) 687
De Oliveira, G. and C.E. Dykstra, Quantum Monte Carlo study of the ground vibrational states of Ar_{2-6}–H_2S clusters. A case of microsolvation 264 (1997) 85
De Oliveira Neto, G., see Kubota, L.T. 264 (1997) 662
Deren, P.J., J. Feries, J.-C. Krupa and W. Strek, Anti-Stokes emission in $LaCl_3$ doped with U^{3+} and Pr^{3+} ions 264 (1997) 614
De Schryver, F.C., see Chattopadhyay, N. 264 (1997) 265
De Silvestri, S., see Lanzani, G. 264 (1997) 667
De Souza, I.C.L., L.G. Mendes, M. Engelsberg and R.E. de Souza, Rotating frame proton spin–lattice relaxation in the glass transition region: a study of glycerol 264 (1996) 584
De Souza, R.E., see de Souza, I.C.L. 264 (1996) 584
Devenyi, A., see Mishori, B. 264 (1997) 163
De Vries, M.S., see Grannan, S.M. 264 (1997) 359
Dietrich, H., see Schwegmann, S. 264 (1997) 680
Dimicoli, I., see Dedonder-Lardeux, C. 264 (1997) 596
Dirken, P.J., see Walters, J.K. 264 (1997) 539
Donati, A., see Rossi, C. 264 (1997) 205
Dorn, H.C., see Grannan, S.M. 264 (1997) 359
Dowben, P.A., see McIlroy, D.N. 264 (1997) 168
Dreassi, E., see Rossi, C. 264 (1997) 205
Droz, T., see Wickleder, C. 264 (1997) 257
Duncan, M.A., see Reddic, J.E. 264 (1997) 157
Dutta, C.M., P. Nordlander and M. Kimura, Charge transfer in collisions of an H^+ ion with a ground-state Mg atom at low keV collision energies 264 (1997) 51
Dykstra, C.E., see de Oliveira, G. 264 (1997) 85
Dzegilenko, F.N., J.M. Bowman and Y. Amatatsu, Non-Condon effects in photodissociation of ICN($\tilde{A} \leftarrow \tilde{X}$): coupled-channel scattering calculations 264 (1997) 24
Dzuba, S.A., H. Hara, A. Kawamori, M. Iwaki, S. Itoh and Yu.D. Tsvetkov, Electron spin echo of spin-polarised radical pairs in intact and quinone-reconstituted plant photosystem I reaction centres 264 (1997) 238

Echt, O., see Matt, S. 264 (1997) 149
Edwards, P.G., see Howard, S.T. 264 (1997) 454
Elokhin, V.I., see Resnyanskii, E.D. 264 (1997) 174
Engelsberg, M., see de Souza, I.C.L. 264 (1996) 584
Ernst, R.R., see Brüschweiler, R. 264 (1997) 393
Ertl, G., see Schwegmann, S. 264 (1997) 680
Evans, C.M., see Cotti, G. 264 (1997) 513

Färbert, A. and W. Demtröder, Fine and hyperfine structure of the triplet states $1\,^3\Sigma_u^+$ and $1\,^3\Sigma_g^+$ of the Na_2 molecule 264 (1997) 225
Feng, J., see Ge, M. 264 (1997) 139
Feng, P.Y. and K. Balasubramanian, Geometries and energy separations of the electronic states of In_2P_2 264 (1997) 449
Feries, J., see Deren, P.J. 264 (1997) 614
Foreman, J.P., see Howard, S.T. 264 (1997) 454
Franke, R., Numerical study of the iterative solution of the one-electron Dirac equation based on 'direct perturbation theory' 264 (1997) 495

Freudenberg, Th., see Radloff, W. 264 (1997) 210
Fu, R., P. Pelupessy and G. Bodenhausen, Frequency-modulated cross-polarization for fast magic angle spinning NMR at high fields: relaxing the Hartmann–Hahn condition 264 (1997) 63
Fujii, A., see Maeyama, T. 264 (1997) 292
Fujita, T., see Hidaka, M. 264 (1997) 371

Gallagher, H.G., see Qi, X. 264 (1997) 623
García, G., M. Roteta and F. Manero, Electron scattering by N_2 and CO at intermediate energies: 1–10 keV 264 (1997) 589
Ge, M., J. Feng, X. Huang, C. Yang and C. Sun, Ab initio study on Mo_2C_8 cluster 264 (1997) 139
Girardet, C., see Iglesias-Groth, S. 264 (1997) 351
Goh, S.K. and A. St-Amant, Using a fitted electronic density to improve the efficiency of a linear combination of Gaussian-type orbitals calculation 264 (1997) 9
Gołąb, S., see Ryba-Romanowski, W. 264 (1997) 323
Gondal, M.A., see Khan, M.A. 264 (1997) 273
Gorelik, V.R., see Bagryanskaya, E.G. 264 (1997) 655
Gottlieb, C.A., see McCarthy, M.C. 264 (1997) 252
Grannan, S.M., J.T. Birmingham, P.L. Richards, D.S. Bethune, M.S. de Vries, P.H.M. van Loosdrecht, H.C. Dorn, P. Burbank, J. Bailey and S. Stevenson, Far infrared transmittance of $Sc_2@C_{84}$ and $Er_2@C_{82}$ 264 (1997) 359
Grill, V., see Matt, S. 264 (1997) 149
Grönbeck, H., D. Tománek, S.G. Kim and A. Rosén, Does hydrogen pre-melt palladium clusters? 264 (1997) 39
Guenneau, F., see Canet, D. 264 (1996) 477

Hamaguchi, H., see Ishibashi, T. 264 (1997) 551
Hamilton, P.A., A.J. Phillips and R. Windsor, Determination of the hyperfine structure of the $B\,^2\Pi_{1/2}$ state of NO from quantum beat spectroscopy 264 (1997) 245
Han, J., A.L. McIntosh, C.L. Hartz and J.W. Bevan, A rovibrational analysis of the ν_1 and ν_2 bands of OC–DF by supersonic jet FTIR spectroscopy 264 (1997) 411
Han, K.-L., see Zhan, J.-P. 264 (1997) 687
Han, T.P.J., see Qi, X. 264 (1997) 623
Hancock, G., see Ball, S.M. 264 (1997) 531
Hara, H., see Dzuba, S.A. 264 (1997) 238
Hartz, C.L., see Han, J. 264 (1997) 411
Häser, M., see Bauernschmitt, R. 264 (1996) 573
Hashimoto, N., N. Yonekura and T. Suzuki, Pump–probe measurements of the predissociation reaction time of C_2H_2 from $\tilde{A}(^1A_u)$ state 264 (1997) 545
Hayes, T., D. Bellert, T. Buthelezi and P.J. Brucat, The photodissociation of $V^+ \cdot CH_4$ 264 (1997) 220
He, G.-Z., see Zhan, J.-P. 264 (1997) 687
Helgaker, T., see Ruud, K. 264 (1997) 17
Henderson, B., see Qi, X. 264 (1997) 623
Henon, E., F. Bohr, A. Chakir and J. Brion, Theoretical study of the methyl peroxy self-reaction: the intermediate structure 264 (1997) 557
Herman, H., see Temsamani, M.A. 264 (1997) 556
Herrero, V.J., see Aoiz, F.J. 264 (1997) 487
Hertel, I.V., see Radloff, W. 264 (1997) 210
Heskett, D., see McIlroy, D.N. 264 (1997) 168

Hidaka, M., T. Fujita, H. Nakai and H. Nakatsuji, Ab initio molecular orbital model of scanning tunneling microscopy. Benzene and benzene adsorbed on a Ag surface 264 (1997) 371
Hirata, Y., see Katoh, R. 264 (1997) 631
Hirst, D.M., see Kim, G.-S. 264 (1997) 134
Holloway, J.H., see Cotti, G. 264 (1997) 513
Howard, S.T., J.P. Foreman and P.G. Edwards, Correlated proton affinities of arylphosphines 264 (1997) 454
Howells, W.S., see Walters, J.K. 264 (1997) 539
Hua, Y., see Zhu, G. 264 (1997) 424
Huang, J.Q., see Urban, J. 264 (1997) 441
Huang, X., see Ge, M. 264 (1997) 139
Hudson, E.A., see Moler, E.J. 264 (1997) 502
Huff, W.R.A., see Moler, E.J. 264 (1997) 502
Hussain, Z., see Moler, E.J. 264 (1997) 502
Hvelplund, P., see Shen, H. 264 (1997) 508
Hynes, A.J., see Silvente, E. 264 (1997) 309

Iglesias-Groth, S., J. Breton and C. Girardet, An analytical approach for the interlayer interaction in spherical buckyonions 264 (1997) 351
Illingworth, R., see Qi, X. 264 (1997) 623
Inoue, Y., see Yamanaka, T. 264 (1997) 180
Ishibashi, T. and H. Hamaguchi, The central CC bond stretch frequencies and structure of S_2 and S_1 diphenylacetylene in solution studied by picosecond time-resolved CARS spectroscopy 264 (1997) 551
Ishida, T., see Murai, H. 264 (1997) 619
Itoh, S., see Dzuba, S.A. 264 (1997) 238
Iwaki, M., see Dzuba, S.A. 264 (1997) 238
Iwasaki, Y., see Murai, H. 264 (1997) 619

Jacobi, K., see Schwegmann, S. 264 (1997) 680
Jesse, K.J., Structural impacts on the photodissociation dynamics of aromatic endoperoxides in solution 264 (1997) 193
Jonah, C.D., see Takahashi, K. 264 (1997) 297
Jouvet, C., see Dedonder-Lardeux, C. 264 (1997) 596
Jursic, B.S., Exploring the potential energy surface of the hydrogen abstraction reaction from hydrochloric acid with hydrogen and methyl radicals using ab initio and density functional theory methods. An example of a polar radical hydrogen abstraction reaction 264 (1997) 113

Kachanov, A.A., see Romanini, D. 264 (1997) 316
Kalmus, P., see McCarthy, M.C. 264 (1997) 252
Kasai, T., see Takahashi, H. 264 (1997) 44
Katoh, R., M. Kotani, Y. Hirata and T. Okada, Triplet exciton formation in a benzophenone single crystal studied by picosecond time-resolved absorption spectroscopy 264 (1997) 631
Kawamori, A., see Dzuba, S.A. 264 (1997) 238
Kellar, S.A., see Moler, E.J. 264 (1997) 502
Khan, M.A., R.A. Qureshi and M.A. Gondal, Ar-supported atomic population transfer from the $3d4p\ ^1D_2$ to nearby states of Ca 264 (1997) 273
Kiefer, W., see Trunk, M. 264 (1997) 233

Kim, D., see Kim, Y. 264 (1997) 673
Kim, G.-S. and D.M. Hirst, Ab initio potential-energy curves for excited electronic states of the molecular ion $AsCl^+$ 264 (1997) 134
Kim, M.S., see Lee, T.G. 264 (1997) 303
Kim, S.G., Y.H. Lee, P. Nordlander and D. Tománek, Disintegration of finite carbon chains in electric fields 264 (1997) 345
Kim, S.G., see Grönbeck, H. 264 (1997) 39
Kim, Y., H.W. Cheon, M. Yoon, N.W. Song and D. Kim, SiO_2 colloidal effects on the twisted intramolecular charge transfer of *p*-N,N-dimethylaminobenzoic acid in acetonitrile 264 (1997) 673
Kimura, M., see Dutta, C.M. 264 (1997) 51
Kimura, Y., see Umemoto, H. 264 (1997) 215
Kiwi, J., see Vuissoz, P.-A. 264 (1997) 366
Klein, U.K.A., see Than Htun, M. 264 (1997) 285
Kleinke, M.U., see Kubota, L.T. 264 (1997) 662
Kotani, M., see Katoh, R. 264 (1997) 631
Krupa, J.-C., see Deren, P.J. 264 (1997) 614
Kubota, L.T., M.U. Kleinke, C. Mello, M.I. Bueno and G. de Oliveira Neto, Experimental evidence of the chaotic regime in a salicylate biosensor 264 (1997) 662
Kundu, T.K. and P.T. Manoharan, An electron paramagnetic resonance investigation of a macrobicyclic cage conplex of Ag(II). Dynamic and static Jahn–Teller distortions 264 (1997) 338

Lankers, M., see Trunk, M. 264 (1997) 233
Lanzani, G., M. Nisoli, S. De Silvestri and F. Abbate, Exciton dynamics in α-sexithienyl films 264 (1997) 667
Lavín, C., see Velasco, A.M. 264 (1997) 579
Lee, T.G., Y.M. Rhee, M.S. Kim and S.C. Park, Energy partitioning during the exit channel motion for $CH_2OH^+ \rightarrow CHO^+ + H_2$ 264 (1997) 303
Lee, Y.H., see Kim, S.G. 264 (1997) 345
Legon, A.C., see Cotti, G. 264 (1997) 513
Leszczynski, J., see Urban, J. 264 (1997) 441
Leutwyler, S., see Wickleder, C. 264 (1997) 257
Li, F., Y. Lu, G. Xue and Q. Cao, The adsorption and bonding of ω-mercaptoalkanols on HNO_3 etched copper 264 (1997) 376
Lifshitz, C., see Matt, S. 264 (1997) 149
Lipsky, S., see Saik, V.O. 264 (1997) 649
Lorents, D.C., see Shen, H. 264 (1997) 508
Lou, N.-Q., see Zhan, J.-P. 264 (1997) 687
Lu, Y., see Li, F. 264 (1997) 376

Maeda, K., see Murai, H. 264 (1997) 619
Maeyama, T., T. Tsumura, A. Fujii and N. Mikami, Photodetachment of small water cluster anions in the near-infrared through the visible region 264 (1997) 292
Manciu, M., see Mishori, B. 264 (1997) 163
Manero, F., see García, G. 264 (1997) 589
Manoharan, P.T., see Kundu, T.K. 264 (1997) 338
Mansfield, M.W.D., see Ruth, A.A. 264 (1997) 605
Märk, T.D., see Matt, S. 264 (1997) 149

Martin, I., see Velasco, A.M. 264 (1997) 579
Martin, S.E., see Ball, S.M. 264 (1997) 531
Martrenchard-Barra, S., see Dedonder-Lardeux, C. 264 (1997) 596
Mathur, D., see Shen, H. 264 (1997) 508
Matsuo, S. and T. Tahara, Phase-stabilized optical heterodyne detection of impulsive stimulated Raman scattering 264 (1997) 636
Matsushima, T., see Yamanaka, T. 264 (1997) 180
Matsuyama, A., see Murai, H. 264 (1997) 619
Matt, S., O. Echt, R. Wörgötter, V. Grill, P. Scheier, C. Lifshitz and T.D. Märk, Appearance and ionization energies of multiply-charged C_{70} parent ions produced by electron impact ionization 264 (1997) 149
McAvoy, T., see McIlroy, D.N. 264 (1997) 168
McCarthy, M.C., M.J. Travers, P. Kalmus, C.A. Gottlieb and P. Thaddeus, Microwave spectroscopy of the carbon chain radical $C_{11}H$ 264 (1997) 252
McIlroy, D.N., C. Waldfried, T. McAvoy, J. Choi, P.A. Dowben and D. Heskett, The nonmetal to metal transition with alkali doping of films of molecular icosahedra 264 (1997) 168
McIntosh, A.L., see Han, J. 264 (1997) 411
Mello, C., see Kubota, L.T. 264 (1997) 662
Mendes, L.G., see de Souza, I.C.L. 264 (1996) 584
Meyer, Y.H., P. Plaza and K. Müllen, Ultrafast spectroscopy of soluble terrylene and quaterrylene 264 (1997) 643
Mikami, N., see Maeyama, T. 264 (1997) 292
Miranda, P.B., V. Pflumio, H. Saijo and Y.R. Shen, Conformation of surfactant monolayers at solid/liquid interfaces 264 (1997) 387
Mishori, B., Y. Shapira, A. Belu-Marian, M. Manciu and A. Devenyi, Studies of C_{60} thin films using surface photovoltage spectroscopy 264 (1997) 163
Moler, E.J., S.A. Kellar, W.R.A. Huff, Z. Hussain, Y. Zheng, E.A. Hudson, Y. Chen and D.A. Shirley, Adsorption site and structure determination of $c(2 \times 2)$ $N_2/Ni(100)$ using angle-resolved photoemission extended fine structure 264 (1997) 502
Monshouwer, R., see Peterman, E.J.G. 264 (1997) 279
Müllen, K., see Meyer, Y.H. 264 (1997) 643
Murai, H., A. Matsuyama, T. Ishida, Y. Iwasaki, K. Maeda and T. Azumi, Controlling of radical–ion pair reactions by microwave radiation: photoconductivity-detected magnetic resonance 264 (1997) 619
Mutzenhardt, P., see Canet, D. 264 (1996) 477
Myshlyavtsev, A.V., see Resnyanskii, E.D. 264 (1997) 174

Nakai, H., see Hidaka, M. 264 (1997) 371
Nakatsuji, H., see Hidaka, M. 264 (1997) 371
Newport, R.J., see Walters, J.K. 264 (1997) 539
Nisoli, M., see Lanzani, G. 264 (1997) 667
Noack, F., see Radloff, W. 264 (1997) 210
Noga, J. and T. Pluta, Coupled cluster calculations of the electric properties of BeS. An analysis of the fifth-order non-iterative corrections 264 (1997) 101
Nordlander, P., see Dutta, C.M. 264 (1997) 51
Nordlander, P., see Kim, S.G. 264 (1997) 345

Okada, T., see Katoh, R. 264 (1997) 631
O'Keeffe, F.J., see Ruth, A.A. 264 (1997) 605
Okuno, Y., Ab initio study of solvent kinetic isotope effects in microhydrated S_N2 reactions 264 (1997) 120
Over, H., see Schwegmann, S. 264 (1997) 680

Park, S.C., see Lee, T.G. 264 (1997) 303
Pelupessy, P., see Fu, R. 264 (1997) 63
Perera, L., see Yeh, I.-C. 264 (1997) 31
Person, W.B., see Del Bene, J.E. 264 (1997) 109
Peterman, E.J.G., R. Monshouwer, I.H.M. van Stokkum, R. van Grondelle and H. van Amerongen, Ultrafast singlet excitation transfer from carotenoids to chlorophylls via different pathways in light-harvesting complex II of higher plants 264 (1997) 279
Pflumio, V., see Miranda, P.B. 264 (1997) 387
Phillips, A.J., see Hamilton, P.A. 264 (1997) 245
Pinot de Moira, J.C., see Ball, S.M. 264 (1997) 531
Pisarski, W.A., see Ryba-Romanowski, W. 264 (1997) 323
Plaza, P., see Meyer, Y.H. 264 (1997) 643
Pluta, T., see Noga, J. 264 (1997) 101
Podsiadła, D., see Ryba-Romanowski, W. 264 (1997) 323
Popp, J., see Trunk, M. 264 (1997) 233

Qi, X., H.G. Gallagher, T.P.J. Han, B. Henderson, R. Illingworth and I.S. Ruddock, Laser heated pedestal growth and spectroscopic properties of $K_2NdNb_5O_{15}$ and Ba_2NdNbO_6 crystals 264 (1997) 623
Qureshi, R.A., see Khan, M.A. 264 (1997) 273

Radloff, W., Th. Freudenberg, V. Stert, H.-H. Ritze, F. Noack and I.V. Hertel, Cluster size dependence of the internal conversion in highly excited benzene$(NH_3)_n$ clusters 264 (1997) 210
Ramasami, T., see Subramanian, V. 264 (1997) 92
Rappuoli, R., see Rossi, C. 264 (1997) 205
Reddic, J.E. and M.A. Duncan, Composite samples and the generation of novel metal carbide clusters 264 (1997) 157
Resnyanskii, E.D., A.V. Myshlyavtsev, V.I. Elokhin and B.S. Bal'zhinimaev, Dissociative adsorption on rough surfaces with dynamically changing morphology: a Monte Carlo model 264 (1997) 174
Rhee, Y.M., see Lee, T.G. 264 (1997) 303
Richards, P.L., see Grannan, S.M. 264 (1997) 359
Richter, R.C., see Silvente, E. 264 (1997) 309
Rigden, J.S., see Walters, J.K. 264 (1997) 539
Ritze, H.-H., see Radloff, W. 264 (1997) 210
Rodham, D.A. and G.A. Blake, ZEKE-PFI spectroscopy of 1:1 complexes of sodium with water and ammonia 264 (1997) 522
Romanini, D., A.A. Kachanov, N. Sadeghi and F. Stoeckel, CW cavity ring down spectroscopy 264 (1997) 316
Rommens, J., see Chattopadhyay, N. 264 (1997) 265
Rosén, A., see Grönbeck, H. 264 (1997) 39

Rossi, C., A. Donati, C. Bonechi, G. Corbini, R. Rappuoli, E. Dreassi and P. Corti, Nuclear relaxation studies in ligand–macromolecule affinity index determinations 264 (1997) 205
Roszak, S. and K. Balasubramanian, Stabilities of isomers of LaC_{12}^+ and LaC_{13}^+ 264 (1997) 80
Roteta, M., see García, G. 264 (1997) 589
Ruddock, I.S., see Qi, X. 264 (1997) 623
Ruth, A.A., F.J. O'Keeffe, M.W.D. Mansfield and R.P. Brint, The resonance-enhanced multiphoton excitation spectrum of jet-cooled 4-H-1-benzopyrane-4-thione 264 (1997) 605
Ruud, K. and T. Helgaker, The magnetizability, rotational g tensor, and quadrupole moment of PF_3 revisited 264 (1997) 17
Ryba-Romanowski, W., S. Gołąb, W.A. Pisarski, D. Podsiadła and Z. Czapla, Optical spectroscopy of a chromium doped $(CH_3)_2NH_2Al(SO_4)_2 \cdot 6H_2O$ single crystal in the ferroelectric phase 264 (1997) 323

Sadeghi, N., see Romanini, D. 264 (1997) 316
Sáez Rábanos, V., see Aoiz, F.J. 264 (1997) 487
Sagdeev, R.Z., see Bagryanskaya, E.G. 264 (1997) 655
Saijo, H., see Miranda, P.B. 264 (1997) 387
Saik, V.O. and S. Lipsky, Magnetic field effects on recombination fluorescence: comparison of VUV and fast electron excitation 264 (1997) 649
Sako, T. and K. Yamanouchi, Algebraic approach to vibrationally highly excited states of SO_2. Vibrational wavefunctions from spectroscopy 264 (1997) 403
Saltzman, E.S., see Silvente, E. 264 (1997) 309
Samulski, E.T., see Terzis, A.F. 264 (1997) 481
Sanker, S., see Subramanian, V. 264 (1997) 92
Sastre, G., P.M. Viruela and A. Corma, Quantum chemistry calculations on the effect of electron confinement upon the frontier molecular orbitals of ethylene and benzene in sodalite. Implications on reactivity 264 (1997) 565
Scheier, P., see Matt, S. 264 (1997) 149
Schleyer, P. von R., see Urban, J. 264 (1997) 441
Schönnenbeck, G. and F. Stuhl, The HNCO + F reaction system: VUV-photolysis of the cyanato radical via Rydberg states 264 (1997) 199
Schreiner, P.R., see Urban, J. 264 (1997) 441
Schwegmann, S., A.P. Seitsonen, H. Dietrich, H. Bludau, H. Over, K. Jacobi and G. Ertl, The adsorption of atomic nitrogen on Ru(0001): geometry and energetics 264 (1997) 680
Schweiger, A., see Willer, M. 264 (1997) 1
Seitsonen, A.P., see Schwegmann, S. 264 (1997) 680
Shapira, Y., see Mishori, B. 264 (1997) 163
Shen, H., P. Hvelplund, D.C. Lorents and D. Mathur, On the collisionally induced destruction of short- and long-lived fullerene ions 264 (1997) 508
Shen, Y.R., see Miranda, P.B. 264 (1997) 387
Shinohara, H., see Sugai, T. 264 (1997) 327
Shinohara, H., see Tomiyama, T. 264 (1997) 143
Shioya, T., see Bessho, K. 264 (1997) 381
Shirley, D.A., see Moler, E.J. 264 (1997) 502
Shkrob, I.A., On the mechanism of multiplet CIDEP in radical ion pairs 264 (1997) 417
Silvente, E., R.C. Richter, M. Zheng, E.S. Saltzman and A.J. Hynes, Relative quantum yields for $O(^1D)$ production in the photolysis of ozone between 301 and 336 nm: evidence for the participation of a spin-forbidden channel

264 (1997) 309
Smelyansky, V.I. and J.S. Tse, The electronic structure of metallo-silicon clathrates Na_xSi_{136} ($x = 0$, 4, 8, 16 and 24) 264 (1997) 459
Smith, M.E., see Walters, J.K. 264 (1997) 539
Snee, P.T., see Terzis, A.F. 264 (1997) 481
Sokolov, N.D., see Vener, M.V. 264 (1997) 429
Solgadi, D., see Dedonder-Lardeux, C. 264 (1997) 596
Song, N.W., see Kim, Y. 264 (1997) 673
St-Amant, A., see Goh, S.K. 264 (1997) 9
Stark, K., see Aoiz, F.J. 264 (1997) 487
Stert, V., see Radloff, W. 264 (1997) 210
Stevenson, S., see Grannan, S.M. 264 (1997) 359
Stoeckel, F., see Romanini, D. 264 (1997) 316
Strek, W., see Deren, P.J. 264 (1997) 614
Stuhl, F., see Schönnenbeck, G. 264 (1997) 199
Subramanian, V., K. Chitra, K. Venkatesh, S. Sanker and T. Ramasami, Comparative study on the vibrational IR spectra of cytosine and thiocytosine by various semi-empirical quantum mechanical methods 264 (1997) 92
Sugai, T. and H. Shinohara, Production and mass spectroscopic characterization of ammonium halide clusters 264 (1997) 327
Sun, C., see Ge, M. 264 (1997) 139
Sun, H., see Balasubramanian, K. 264 (1997) 70
Sutjianto, A. and L.A. Curtiss, Theoretical study of the potential energy surface of diglyme 264 (1997) 127
Suwaiyan, A., see Than Htun, M. 264 (1997) 285
Suzuki, T., see Hashimoto, N. 264 (1997) 545
Szczepaniak, K., see Del Bene, J.E. 264 (1997) 109

Tahara, T., see Matsuo, S. 264 (1997) 636
Takahashi, H., T. Kasai and K. Yamaguchi, Wavepacket dynamics in the full reaction of $CF_3H + Ar(^3P) \rightarrow CF_3^* + H + Ar$: quantum interference for the H-end orientation 264 (1997) 44
Takahashi, K. and C.D. Jonah, The measurement of an electron transfer reaction in a non-polar supercritical fluid 264 (1997) 297
Telnov, D.A. and S.-I Chu, Floquet formulation of time-dependent density functional theory 264 (1997) 466
Temsamani, M.A. and H. Herman, Anharmonic resonances in monodeuteroacetylene ($^{12}C_2HD$) (Chem. Phys. Letters 260 (1996) 253). Erratum 264 (1997) 556
Teramae, N., see Bessho, K. 264 (1997) 381
Terzis, A.F., P.T. Snee and E.T. Samulski, Orientational order of water confined in anisotropic cavities 264 (1997) 481
Thaddeus, P., see McCarthy, M.C. 264 (1997) 252
Than Htun, M., A. Suwaiyan and U.K.A. Klein, Effects of calcium chloride on the proton transfer dynamics of 4-hydroxy-1-naphthalenesulphonate in alcohol/water mixtures 264 (1997) 285
Tománek, D., see Grönbeck, H. 264 (1997) 39
Tománek, D., see Kim, S.G. 264 (1997) 345
Tomiyama, T., S. Uchiyama and H. Shinohara, Solubility and partial specific volumes of C_{60} and C_{70} 264 (1997) 143
Travers, M.J., see McCarthy, M.C. 264 (1997) 252
Treutler, O., see Bauernschmitt, R.

264 (1996) 573

Trunk, M., J. Popp, M. Lankers and W. Kiefer, Microchemistry: time dependence of an acid-base reaction in a single optically levitated microdroplet 264 (1997) 233
Tse, J.S., see Smelyansky, V.I. 264 (1997) 459
Tsumura, T., see Maeyama, T. 264 (1997) 292
Tsvetkov, Yu.D., see Dzuba, S.A. 264 (1997) 238

Uchida, T., see Bessho, K. 264 (1997) 381
Uchiyama, S., see Tomiyama, T. 264 (1997) 143
Umemoto, H., Y. Kimura and T. Asai, Production of $NH(X^3\Sigma^-)$ radicals in the reaction of $N(2^2D)$ with CH_4: nascent rotational and vibrational distributions of NH 264 (1997) 215
Urban, J., P.R. Schreiner, G. Vacek, P. von R. Schleyer, J.Q. Huang and J. Leszczynski, Molecular structures, vibrational spectra and rotational barriers of C_2H_6, Si_2H_6, $SiGeH_6$ and Ge_2H_6 – experiment and theory in harmony 264 (1997) 441

Vacek, G., see Urban, J. 264 (1997) 441
Van Amerongen, H., see Peterman, E.J.G. 264 (1997) 279
Van der Auweraer, M., see Chattopadhyay, N. 264 (1997) 265
Van der Klink, J.J., see Vuissoz, P.-A. 264 (1997) 366
Van Grondelle, R., see Peterman, E.J.G. 264 (1997) 279
Van Loosdrecht, P.H.M., see Grannan, S.M. 264 (1997) 359
Van Stokkum, I.H.M., see Peterman, E.J.G. 264 (1997) 279
Velasco, A.M., I. Martin and C. Lavín, Rydberg electron transitions in the methyl radical 264 (1997) 579
Vener, M.V. and N.D. Sokolov, On the adiabatic separation of the vibrational variables of a hydrogen-bonded AHA fragment with a symmetric double-well potential 264 (1997) 429
Venkatesh, K., see Subramanian, V. 264 (1997) 92
Videira, A.L.L., see Carlos, L.D. 264 (1997) 57
Viruela, P.M., see Sastre, G. 264 (1997) 565
Vuissoz, P.-A., T. Yonezawa, D. Yang, J. Kiwi and J.J. van der Klink, ^{103}Rh NMR in small rhodium particles 264 (1997) 366

Waldfried, C., see McIlroy, D.N. 264 (1997) 168
Walters, J.K., J.S. Rigden, P.J. Dirken, M.E. Smith, W.S. Howells and R.J. Newport, An atomic-scale study of the role of titanium in TiO_2:SiO_2 sol–gel materials 264 (1997) 539
Wickleder, C., T. Droz, T. Bürgi and S. Leutwyler, Accurate intermolecular binding energies of 1-naphthol to benzene and cyclohexane 264 (1997) 257
Willer, M. and A. Schweiger, Determination of g values by a new electron spin transient nutation experiment: the $g_\perp$ value of titanium-doped sapphire 264 (1997) 1
Windsor, R., see Hamilton, P.A. 264 (1997) 245
Wörgötter, R., see Matt, S. 264 (1997) 149
Wu, G., The semiclassical dynamics of electron correlation in the doubly excited coset space: a study of the Hückel model of propenyl and cyclopropenyl systems 264 (1997) 398

Xue, G., see Li, F. 264 (1997) 376

Yamaguchi, K., see Takahashi, H. 264 (1997) 44
Yamanaka, T., Y. Inoue and T. Matsushima, An aligned oxidation of carbon monoxide induced by 193 nm irradiation on platinum(113) 264 (1997) 180
Yamanouchi, K., see Sako, T. 264 (1997) 403
Yamauchi, A., see Bessho, K. 264 (1997) 381

Yang, C., see Ge, M. 264 (1997) 139
Yang, D., see Vuissoz, P.-A. 264 (1997) 366
Yang, H.-P., see Zhan, J.-P. 264 (1997) 687
Yeh, I.-C., L. Perera and M.L. Berkowitz, Photodetachment spectra of $Cl^-(H_2O)_n$ clusters. Predictions and comparisons 264 (1997) 31
Yonekura, N., see Hashimoto, N. 264 (1997) 545
Yonezawa, T., see Vuissoz, P.-A. 264 (1997) 366
Yoon, M., see Kim, Y. 264 (1997) 673

Zhan, J.-P., W.-Q. Deng, K.-L. Han, H.-P. Yang, G.-Z. He and N.-Q. Lou, Magnetic substate transitions in collisions of $Sr(5s5p\ ^1P_1)$ with Ar (Chem. Phys. Letters 260 (1996) 191). Erratum 264 (1997) 687
Zheng, M., see Silvente, E. 264 (1997) 309
Zheng, Y., see Moler, E.J. 264 (1997) 502
Zhu, G. and Y. Hua, Quantitative NMR signal analysis by an iterative quadratic maximum likelihood method 264 (1997) 424